

Listing of the Claims:

The following listing of the claims is presented for the Examiner's convenience in accordance with 37 C.F.R. §1.121:

23. (Previously Presented) A method of replicating data items from a host system to a mobile data communication device, comprising the steps of:

receiving a plurality of data items at the host system, wherein the plurality of data items are transmitted to the host system from a plurality of remote systems;

characterizing the plurality of data items at the host system by the host system automatically determining a data item type and a data item priority for each of the received data items;

generating an e-mail message for each of the received data items, wherein the e-mail message includes the received data item and a header that includes the data item type and the data item priority determined by the host system in the characterizing step;

configuring a plurality of notification schemes at the mobile data communication device, wherein each of the plurality of notification schemes includes a plurality of notification fields that determine whether a particular notification scheme should be applied to a particular data item and an alert type, and wherein the plurality of notification fields include a party specific field that identifies a person associated with the data item, a data item type field that identifies a type of the data item, and a data item priority field that identifies a priority ranking of the data item;

redirecting the e-mail messages from the host system to the mobile data communication device;

recovering the data items, the data item types and the data item priorities from the redirected e-mail messages at the mobile data communication device; and

applying the plurality of notification schemes to the redirected data items at the mobile data communication device by determining whether each data item and its characterized data item type and data item priority matches the party specific field, the data item type field and the data item priority field, respectively, of a particular notification scheme of the plurality of notification schemes, and if so, then enabling the alert type at the mobile data communication device for the particular notification scheme that matches the data item.

24. (Previously Presented) The method of claim 23, further comprising the steps of:

characterizing the plurality of data items at the mobile data communication device by automatically determining a data item type and a data item priority for each of the redirected data items;

providing priority characterization input to the mobile data communication device that indicates whether the characterization step at the mobile data communication device should take priority over the characterization step at the host system; and

if the priority characterization input indicates that the mobile data communication device takes priority over the host system, then using the data item type and data item priority information from the characterization step at the mobile data communication device during the applying step to determine whether a particular notification scheme should be applied to the data item.

25. (Previously Presented) The method of claim 23, further comprising the steps of:

providing a mobile data communication device having an associated earpiece with a speaker;

providing at least one notification scheme in which the alert type includes the spoken name of a person associated with the data item; and

if the mobile data communication device determines that the at least one notification scheme should be applied to a data item, then outputting the spoken name of the person associated with the data item to the speaker of the earpiece.

26. (Previously Presented) The method of claim 23, further comprising the steps of:

configuring the mobile data communication device into a low power state in which the mobile data communication device can receive messages;

providing an emergency data item priority characterization;

redirecting a data item to the mobile data communication device in which the data item priority field is set to the emergency data item priority characterization;

receiving the data item at the mobile data communication device;

determining that the data item priority field is set to the emergency data item priority characterization, and in response, configuring the mobile data communication device into a normal power state and immediately displaying the data item on the mobile data communication device.

27. (Previously Presented) The method of claim 23, wherein the data item types include e-mail messages received from the remote systems, and further wherein the e-mail messages are characterized as either inbound e-mail data item types or outbound e-mail data item types.

28. (Previously Presented) The method of claim 27, wherein the e-mail messages are further characterized as transmission status data item types.

29. (Previously Presented) A method of redirecting e-mail messages and meeting notices from a host system to a mobile data communication device via a wireless network, comprising the steps of:

receiving e-mail messages and meeting notices from a plurality of remote systems at the host system;

generating a plurality of electronic envelopes at the host system, wherein the electronic envelopes include the received e-mail messages or the meeting notices;

the host system automatically generating characterization information regarding the electronic envelopes, the characterization information including a data item type that indicates whether the electronic envelope contains an e-mail message or a meeting notice and data item priority ranking that indicates a priority of the e-mail message or meeting notice;

the host system appending the characterization information to the electronic envelopes and redirecting the electronic envelopes from the host system to the mobile data communication device via the wireless network;

receiving the electronic envelopes at the mobile data communication device;

extracting the characterization information from the electronic envelopes;

comparing the characterization information to a plurality of stored notification schemes at the mobile data communication device to determine whether to enable a particular alert type associated with the notification scheme, wherein the notification scheme includes a user defined field for the data item type and the data item priority.

30. (Currently Amended) A method of automatically characterizing electronic data items at a messaging system prior to redirection to a wireless mobile communication device that applies a plurality of notification schemes to the characterized electronic data items, comprising the steps of:

receiving a plurality of data items at the messaging system;
the messaging system characterizing the plurality of data items by automatically determining a data item type and data item priority for each of the received plurality of data items;

the messaging system generating an e-mail message for each of the received data items that includes the data item and a header that includes the determined data item type and data item priority;

transmitting the e-mail messages from the messaging system server to the wireless mobile communication device via a wireless gateway that the couples the messaging system server to a wireless data network;

receiving the e-mail messages at the wireless mobile communication device; and

the wireless mobile communication device automatically determining the type and priority of each received data item by examining the header in the e-mail messages and comparing the data item type and data item priority information in the header to stored information in the wireless mobile communication device;

based on the comparison step, the wireless mobile communication device then applying one of a plurality of stored notification schemes to the received e-mail messages.